

1	160	12.9	143068	10	US-09-967-768A-316	Sequence 316, App
2	159	12.8	401	10	US-09-864-761-28650	Sequence 28650, A
3	159	12.8	552	10	US-09-864-761-12070	Sequence 12070, A
4	154.2	12.4	4977	10	US-09-764-864-1602	Sequence 1602, Ap
5	102.4	8.2	526	10	US-09-764-874-2173	Sequence 2173, Ap
6	89.8	7.2	527	10	US-09-764-877-2172	Sequence 2172, Ap
7	89.8	7.2	527	10	US-09-764-877-2174	Sequence 2174, Ap
8	60	4.8	759	9	US-09-736-457-221	Sequence 221, App
9	60	4.8	759	9	US-09-902-941-221	Sequence 221, App
10	51.2	4.1	514	10	US-09-864-761-12266	Sequence 12266, A
11	40.6	3.3	3103	8	US-08-825-486-3	Sequence 3, Appl1
12	40.6	3.3	3103	8	US-08-870-434-2	Sequence 2, Appl1
13	40.6	3.3	3103	10	US-09-372-044-3	Sequence 3, Appl1
14	40.6	3.3	3103	10	US-09-924-417-66	Sequence 66, Appl
15	40.6	3.3	3111	10	US-09-954-456-1877	Sequence 1877, Ap
16	38.2	3.1	1412	10	US-09-745-763-141	Sequence 141, App
17	37	3.0	152	10	US-09-864-761-32094	Sequence 32094, A
18	37	3.0	403	10	US-09-864-761-15584	Sequence 15584, A
19	36.6	2.9	1985	10	US-09-817-913-4	Sequence 4, Appl1

Db 21833 TCATAGCTGAGAGCCCTTAGGACCTGTGCTTTTCTATTCT 21876  
|||||

RESULT 2

US-09-864-761-28650  
; Sequence 28650, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Aomica-x-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117  
; SEQ ID NO 28650  
; LENGTH: 401  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AC008812.4  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.88  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.87  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.3  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.8  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.88  
; OTHER INFORMATION: EST HUMAN HIT: AW138646.1, EVALUE 3.00e-69  
; OTHER INFORMATION: SWISSPROT HIT: P10263, EVALUE 2.00e-01  
; OTHER INFORMATION: NT HIT: AFL14156.1, EVALUE 2.00e-45

US-09-864-761-28650

Query Match 12.8%; Score 159; DB 10; Length 401;  
Best Local Similarity 82.1%; Pred. No. 5.3e-38;  
Matches 183; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCACCCACACACCCCAAGAAATAATA 766  
|||||  
Db 161 CTGAGTCTAAAAATCTGAAGAATCTGTGTCCACCCACAGCTTCAATTGAAAAATAAA 220  
|||||  
QY 767 AACAGGAGGAGGAGGATGGAATTCGCGTCTACCAACCCCTCCAGTAGCAGAAACACCTG 826  
|||||  
Db 221 AACAGGAGGAGGAGGATGGAATTCGCGTCTATATATCTCTCCAGTTGCAGAAACATCTG 280  
|||||  
QY 827 TACCATCTCTTTCAGTAACAGAAATAGAGACCCCTCCACTGCAAAAGAAATTCGCGGACTGCTA 886  
|||||  
Db 281 TGCCGCTCTCTTCGTAGCAGGAATAGAGACCCCAATAACAAAGAAATTTTACGCTCTGCTG 340  
|||||  
QY 887 CCATAGCTGGAGAGCCCTTAGGACATTTGCACATTTTCACATATTTTC 929  
|||||  
Db 341 CCATAGCTGGAGAGCCCTCAGGACCTTGTGCTTTTCTATTTC 383  
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RESULT 3

US-09-864-761-12070  
; Sequence 12070, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO  
; FILE REFERENCE: Aomica-x-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 12070

; LENGTH: 552

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AC008812.4

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.88

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.87

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.3

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.8

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.88

; US-09-864-761-12070

Query Match 12.8%; Score 159; DB 10; Length 552;

Best Local Similarity 82.1%; Pred. No. 6.5e-38;

Matches 183; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCCAACCCACACACCCCAAGAAATAATA 766

Db 186 CTGAGTCTAAAAATCTGAAGAATCTGTTGTCCCAACCCACACAGCTTCAATTGAAATAAAA 245

Qy 767 AACAGGAGGAGGAGTGAATAATGGCGTCTACCAACCCCTCCAGTAGCAGAAACACCTG 826

Db 246 AACAGGAGGAGGAGTAAAAAATGGCCCTATACCTCTCCAGTTGCAGAAACATCTG 305

Qy 827 TACCATCTCCTTCAGTACAGAAATAGAGACCCCACTGCAAGAAATCCGGCGACTGCTA 886

Db 306 TCCGCCCTCTCGGTACAGGAATAGAGACCCCAATACAAGAAATTTTACGCTCTGCTG 365

Qy 887 CCATAGCTGGAGAGCCCTTAGGACATTTGCACATTTTCACATTTTC 929

Db 366 CCATAGCTGGAGAGCCCTCAGGACCTTGCTGCTTTTCCTATTTC 408

RESULT 4

US-09-764-864-1602

; Sequence 1602, Application US/09764864

; Patent No. US20020132753A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PT223

; CURRENT APPLICATION NUMBER: US/09/764,864

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 1792

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1602

; LENGTH: 4977

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-764-864-1602

Query Match 12.4%; Score 154.2; DB 10; Length 4977;

Best Local Similarity 80.7%; Pred. No. 7.4e-36;

Matches 180; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCCAACCCACACACCCCAAGAAATAATA 766

Db 565 CTGAATCTCAAAATCTGAAGAATTTGTTGACCCACCCACAGCTCCAAATTAATAAAA 624

Qy 767 AACAGGAGGAGGAGTGAATAATGGCGTCTACCAACCCCTCCAGTAGCAGAAACACCTG 826

Db 625 AACAGGAGGAGGAGTAAAAAATGGCCCTATACCTCTCCAGTTGCAGAAACATCTG 684

Qy 827 TACCATCTCCTTCAGTACAGAAATAGAGACCCCACTGCAAGAAATTTCCGGCGACTGCTA 886

Db 685 TACTGCTCTCTCGGTGCAGAAATAGAACCCCTAATACAAGAAATTTAATGCTCTGCTG 744

Qy 887 CCATAGCTGGAGAGCCCTTAGGACATTTGCATTTTCACATTTTC 929

Db 745 CCATAGCTGGAGAGCCCTTAGGACATTTGCTTTTCCTATTTC 787

RESULT 5

US-09-764-877-2173/c

; Sequence 2173, Application US/09764877

; Patent No. US20020147140A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PC005

; CURRENT APPLICATION NUMBER: US/09/764,877

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - refer to PALM or file wrapper

; NUMBER OF SEQ ID NOS: 4031

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2173

; LENGTH: 526

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-764-877-2173

Query Match 8.2%; Score 102.4; DB 10; Length 526;

Best Local Similarity 84.6%; Pred. No. 6.7e-21;

Matches 115; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGTCCCAACCCACACACCCCAAGAAATAATA 766

Db 136 CTGAGTCTAAAAATCTGAAGAATCTGTTGTCCCAACCCACAGATCCAATTGAAACAAA 77

Qy 767 AACAGGAGGAGGAGTGAATAATGGCGTCTACCAACCCCTCCAGTAGCAGAAACACCTG 826

Db 76 AACAGGAGGAGGAGTAAAAAATTTGTTTACCACCCCTCCAGTTGCAGCAACATCTG 17

Qy 827 TACCATCTCCTTCAGT 842

Db 16 TACCACCTCCTTCAGT 1

RESULT 6

US-09-764-877-2172/c

; Sequence 2172, Application US/09764877

; Patent No. US20020147140A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PC005

; CURRENT APPLICATION NUMBER: US/09/764,877

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - refer to PALM or file wrapper

; NUMBER OF SEQ ID NOS: 4031

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2172

; LENGTH: 527

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-764-877-2172

Query Match 7.2%; Score 89.8; DB 10; Length 527;

Best Local Similarity 83.2%; Pred. No. 4.1e-17;

Matches 114; Conservative 0; Mismatches 22; Indels 1; Gaps 1;

Qy 707 CTGAATCTCAAAATTTTGAAGAATCTTTTGT-CCCAACCCACACACCCCAAGAAATAAT 765

Db 137 CTGAGTCTAAAAATCTGAAGAATCTGTTGTCCCAACCCACAGATCCAATTGAAACAAA 78

Qy 766 AACAGGAGGAGGAGTGAATAATGGCGTCTTACCACCCCTCCAGTAGCAGAAACACCT 825

Db 77 AACAGGAGGAGGAGTAAAAAATTTGTTTACCACCCCTCCAGTTGCAGCAACATCT 18

Qy 826 GTACCATCTCCTTCAGT 842

Db 17 GTACCACCTCCTTCAGT 1

## RESULT 7

US-09-764-877-2174/c  
; Sequence 2174, Application US/09764877  
; Patent No. US20020147140A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC005  
; CURRENT APPLICATION NUMBER: US/09/764,877  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - refer to PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 4031  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2174  
; LENGTH: 527  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-877-2174

Query Match 7.2%; Score 89.8; DB 10; Length 527;  
Best Local Similarity 83.2%; Pred. No. 4.1e-17;  
Matches 114; Conservative 0; Mismatches 22; Indels 1; Gaps 1;

QY 707 CTGAATCTCAAAATTTGAAGAATCTTTTGT-CCACACCACACACCCCAAGAAAATAAT 765  
Db 137 CTGAGTCTAAAATCTGAAGAATCTGTGTCTCCCCCCCCACAGATCCAATTGAAAAACAAA 78  
QY 766 AACAGGAGGAGGAGATCAAAATGGCGTCTACCAACCCCTCCAGTAGCAGAAACACCT 825  
Db 77 AACAGGAGGAGGAGATCAAAATGGTGTATACCAACCCCTCCAGTTGCAGCAACATCT 18  
QY 826 GTACCATCTCCTTCAGT 842  
Db 17 GTACCATCTCCTTCAGT 1

## RESULT 8

US-09-736-457-221  
; Sequence 221, Application US/09736457  
; Patent No. US20020168637A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Bangur, Chaitanya S.  
; APPLICANT: Lodes, Michael A.  
; APPLICANT: Fanger, Gary  
; APPLICANT: Vedvick, Tom  
; APPLICANT: Carter, Darrick  
; APPLICANT: Retter, Marc  
; APPLICANT: Mannion, Jane  
; APPLICANT: Fan, Liqun  
; APPLICANT: Wang, Aijun  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.478C15  
; CURRENT APPLICATION NUMBER: US/09/736,457  
; CURRENT FILING DATE: 2000-12-13  
; NUMBER OF SEQ ID NOS: 1864  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 221  
; LENGTH: 759  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(759)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-736-457-221

Query Match 4.8%; Score 60; DB 9; Length 759;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 979 CTGCTGCTCCGGGAGGTGGAGTGGCCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 1038  
Db 6 CTGCTGCTCCGGGAGGTGGAGTGGCCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 65

## RESULT 9

US-09-902-941-221  
; Sequence 221, Application US/09902941  
; Patent No. US20020172952A1  
; GENERAL INFORMATION:  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Watanabe, Yoshihiro  
; APPLICANT: Johnson, Jeffrey C.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Marnerakis, Margarita  
; APPLICANT: Carter, Darrick  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Bangur, Chaitanya S.  
; APPLICANT: McNabb, Andria  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.478C17  
; CURRENT APPLICATION NUMBER: US/09/902,941  
; CURRENT FILING DATE: 2001-07-10  
; NUMBER OF SEQ ID NOS: 2002  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 221  
; LENGTH: 759  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 245  
; OTHER INFORMATION: n = A,T,C or G  
US-09-902-941-221

Query Match 4.8%; Score 60; DB 9; Length 759;  
Best Local Similarity 100.0%; Pred. No. 4.8e-08;  
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 979 CTGCTGCTCCGGGAGGTGGAGTGGCCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 1038  
Db 6 CTGCTGCTCCGGGAGGTGGAGTGGCCTGGCAGAGGGCACATGGCTGCCACCTGCTGCAAG 65

## RESULT 10

US-09-864-761-12266  
; Sequence 12266, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO  
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
; FILE REFERENCE: Aecmics-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00670  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: US 60/234,687  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: US 09/608,408  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US 09/774,203  
PRIOR FILING DATE: 2001-01-29  
NUMBER OF SEQ ID NOS: 49117  
SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
SEQ ID NO 12266  
LENGTH: 514  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC024736.2  
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.78  
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.93  
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.83  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1  
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.73  
US-09-864-761-12266  
Query Match 4.18; Score 51.2; DB 10; Length 514;  
Best Local Similarity 62.5; Pred. No. 1.7e-05;  
Matches 80; Conservative 0; Mismatches 48; Indels 0; Gaps 0;  
Qy 711 ATCTCAAAATTTGAAGAATCTTTGTCCACCCACACACCCCAAGAAATAATAAACA 770  
||||| ||| ||||||| ||||||| ||| ||| ||||||| ||| |||  
Db 277 ATCTTTTGTTATTAGATTTTGTCCACCTACATGCTATCGAAATGGTGAACA 336  
Qy 771 GGAGAGGAGGATGAATTTGGCGTCTACACCCCTCCAGTACGAGAAACACCTGTACC 830  
| ||||||| ||||||| ||| ||| ||| ||| ||| ||| |||  
Db 337 GAAGAGGAGAGTGAATTTGGCTTGTATCGTCTCTTTTGTGGCTACAGAAAGGCTAAC 396  
Qy 831 ATCTCCTT 838  
| |||  
Db 397 TTAGCTT 404  
RESULT 11  
US-08-825-486-3  
Sequence 3, Application US/08825486  
Patent No. US20020016303A1  
GENERAL INFORMATION:  
APPLICANT: Falb, Dean  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
TITLE OF INVENTION: THE TREATMENT AND DIAGNOSIS OF  
TITLE OF INVENTION: CARDIOVASCULAR DISEASE  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036-2711

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/825.486  
FILING DATE: 28-MAR-1997  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/799,910  
FILING DATE: 13-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7853-077-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)7909090  
TELEFAX: (212)8699741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3103 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: both  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: Coding Sequence  
LOCATION: 288...1565  
OTHER INFORMATION:  
US-08-825-486-3  
Query Match 3.38; Score 40.6; DB 8; Length 3103;  
Best Local Similarity 73.8; Pred. No. 0.081;  
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;  
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Db 626 GCGCTGGAGTCCCGCGGCGGACCGCACCGCTGCTGCTGCTGC 672  
RESULT 12  
US-08-870-434-2  
Sequence 2, Application US/08870434  
Patent No. US20020034736A1  
GENERAL INFORMATION:  
APPLICANT: Falb, Dean  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE  
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036/2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/870,434  
FILING DATE: 06-JUN-1997  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/799,910

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; FILING DATE: 13-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-084
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; LENGTH: 3103 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-870-434-2
Query Match          3.3%; Score 40.6; DB 8; Length 3103;
Best Local Similarity 73.8%; Pred. No. 0.081;
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;

QY 933 GCATTCGTACATTCGTGCTCAACAACGGA---AGCGGACGCTGGAGCTGCTGCTCGG 989
DB 566 GCGCTCAGCAGCTCGGTGCTCAAGAACTGAAGAGCGGCGAGCTGCTGCTCCA 625

QY 990 GGAGGTGGAGTGGCTGGCGAGGCGCACATGGC-TGCCACCTGCTGC 1035
DB 626 GCGCTGGAGTCCCGCGGGGACCGCACCGCTGCTGCTGC 672

RESULT 13
US-09-372-044-3
; Sequence 3, Application US/09372044A
; Patent No. US20020102603A1
; GENERAL INFORMATION:
; APPLICANT: Dean FALB et al.
; TITLE OF INVENTION: Compositions and Methods for the
; TITLE OF INVENTION: Treatment and Diagnosis of Cardiovascular Disease
; FILE REFERENCE: 7853-152
; CURRENT APPLICATION NUMBER: US/09/372,044A
; CURRENT FILING DATE: 1999-08-11
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 3103
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (288)...(1565)
US-09-372-044-3

Query Match          3.3%; Score 40.6; DB 10; Length 3103;
Best Local Similarity 73.8%; Pred. No. 0.081;
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;

QY 933 GCATTCGTACATTCGTGCTCAACAACGGA---AGCGGACGCTGGAGCTGCTGCTCGG 989
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QY 990 GGAGGTGGAGTGGCTGGCGAGGCGCACATGGC-TGCCACCTGCTGC 1035
DB 626 GCGCTGGAGTCCCGCGGGGACCGCACCGCTGCTGCTGC 672

RESULT 14
US-09-924-417-66
; Sequence 66, Application US/09924417
; Patent No. US2002014241A1
; GENERAL INFORMATION:
; APPLICANT: Falb, Dean
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
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; THE TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR
; DISEASE
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/924,417
; FILING DATE: 07-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,286
; FILING DATE: 04-MAR-1998
; APPLICATION NUMBER: 08/870,434
; FILING DATE: 06-JUN-1997
; APPLICATION NUMBER: 08/799,910
; FILING DATE: 13-FEB-1997
; APPLICATION NUMBER: 60/011,787
; FILING DATE: 16-FEB-1996
; APPLICATION NUMBER: 08/599,654
; FILING DATE: 09-FEB-1996
; APPLICATION NUMBER: 08/485,573
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-114-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)7909090
; TELEX: (212)8699741
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3103 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: Other
; LOCATION: 288...1565
; OTHER INFORMATION: Coding Sequence
; SEQUENCE DESCRIPTION: SEQ ID NO: 66:
US-09-924-417-66

Query Match          3.3%; Score 40.6; DB 10; Length 3103;
Best Local Similarity 73.8%; Pred. No. 0.081;
Matches 79; Conservative 0; Mismatches 24; Indels 4; Gaps 2;

QY 933 GCATTCGTACATTCGTGCTCAACAACGGA---AGCGGACGCTGGAGCTGCTGCTCGG 989
DB 566 GCGCTCAGCAGCTCGGTGCTCAAGAACTGAAGAGCGGCGAGCTGCTGCTCCA 625

QY 990 GGAGGTGGAGTGGCTGGCGAGGCGCACATGGC-TGCCACCTGCTGC 1035
DB 626 GCGCTGGAGTCCCGCGGGGACCGCACCGCTGCTGCTGC 672

RESULT 15
US-09-954-456-1877
; Sequence 1877, Application US/09954456
; Patent No. US20020115057A1
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Job time : 111.245 secs

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GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 21:54:28 ; Search time 32.3252 Seconds  
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12277.043 Million cell updates/sec

Title: US-09-708-724A-3\_COPY\_1\_1000

Perfect score: 1000

Sequence: 1 agccagactaggatgagcc.....cacacatagatcagagga 1000

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 356696 seqs, 198428768 residues

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

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- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq.\*
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- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq.\*
- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq.\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*
- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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C 2	32.6	3.3	4047	10	US-09-752-639-147
C 3	32.6	3.3	4047	10	US-09-984-198-1
C 4	32.6	3.3	4047	10	US-09-984-198-147
C 5	32.4	3.2	289	10	US-09-974-300-1251
C 6	32.4	3.2	14849	10	US-09-873-403-1
C 7	32.2	3.2	367	10	US-09-764-864-677
C 8	32	3.2	342	10	US-09-783-590-6406
C 9	31.8	3.2	15425	10	US-09-764-869-1654
C 10	31.8	3.2	25950	10	US-09-764-870-597
C 11	31.6	3.2	798	10	US-09-910-943-592
C 12	31.6	3.2	2952	10	US-09-764-847-1330
C 13	31.6	3.2	7755	10	US-09-764-847-1331
C 14	31.4	3.1	372	10	US-09-998-598-164
C 15	31.4	3.1	471	10	US-09-764-847-197
C 16	31.4	3.1	3103	8	US-08-825-486-3
C 17	31.4	3.1	3103	8	US-08-870-434-2
C 18	31.4	3.1	3103	10	US-09-372-044-3
C 19	31.4	3.1	3103	10	US-09-924-417-66

C 20	31.4	3.1	3111	10	US-09-954-456-1877
C 21	31	3.1	168	10	US-09-864-761-18076
C 22	31	3.1	476	10	US-09-864-761-2793
C 23	31	3.1	10476	10	US-09-964-824A-98
C 24	31	3.1	10476	10	US-09-964-824A-552
C 25	30.8	3.1	341	10	US-09-815-343-609
C 26	30.8	3.1	373	9	US-10-046-935-807
C 27	30.8	3.1	373	9	US-09-878-178-807
C 28	30.8	3.1	373	10	US-09-815-343-1532
C 29	30.8	3.1	373	10	US-09-815-343-1533
C 30	30.8	3.1	373	10	US-09-815-343-1534
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C 32	30.8	3.1	373	10	US-09-920-300A-1203
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C 35	30.8	3.1	374	10	US-09-920-300A-308
C 36	30.8	3.1	374	10	US-09-920-300A-1474
C 37	30.8	3.1	374	12	US-10-033-528-308
C 38	30.8	3.1	374	12	US-10-033-528-1474
C 39	30.8	3.1	473	10	US-09-815-343-1074
C 40	30.8	3.1	604	9	US-10-025-380-9
C 41	30.8	3.1	604	10	US-09-922-217-9
C 42	30.8	3.1	604	10	US-09-833-263-9
C 43	30.8	3.1	2116	9	US-09-942-429A-4
C 44	30.8	3.1	2691	9	US-10-025-380-121
C 45	30.8	3.1	2691	10	US-09-922-217-121

## ALIGNMENTS

### RESULT 1

US-09-752-639-1/c

; Sequence 1, Application US/09752639

; Patent No. US20020091243A1

; GENERAL INFORMATION:

; APPLICANT: Gatanaga, T.

; APPLICANT: Granger, G.A.

; TITLE OF INVENTION: Factors Altering Tumor Necrosis

; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods

; TITLE OF INVENTION: of Use Thereof

; NUMBER OF SEQUENCES: 154

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORRISON & FOERSTER

; STREET: 755 PAGE MILL ROAD

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304-1018

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows

; SOFTWARE: FASTSEQ for Windows Version 2.0b

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09752,639

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US99/10793

; FILING DATE:

; APPLICATION NUMBER: 09/081,385

; FILING DATE:

; APPLICATION NUMBER: 08/964,747

; FILING DATE: 05-NOV-1997

; APPLICATION NUMBER: 60/030,761

; FILING DATE: 06-NOV-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Wu, Frank

; REGISTRATION NUMBER: 41,386

; REFERENCE/DOCKET NUMBER: 22000-20577.21

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-813-5600

; TELEFAX: 650-494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4047 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: Genomic DNA  
; US-09-752-639-1

Query Match 3.3%; Score 32.6; DB 10; Length 4047;  
Best Local Similarity 49.7%; Pred. No. 11;  
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;  
QY 418 CACAATGGGAAAACCTGGGTCCTGGAGACTCAGAAACCACTGTCAGAGGCTCGAGTCTTCC 477  
DB 1269 CACCCGGGGGGCCCTGGGTCGGGGCGGATCAGCTTTCCTGGGCACATCTGCCTCATTTCC 1210  
QY 478 CCTGCTCTGGCTTAACAGGCGCATGGAATCAGAGAGAAAAGTCATCTTCCACCTCCTGAAGG 537  
DB 1209 AGATCTCCAGGCTCATGCTCTGTGACAGGGAGGAGGCTCTGCGCTTCCGCTCAG 1150  
QY 538 CTGCCAGCGTCAGGCTTGGCACACTGAGGCTGACAGGGGCTTCTG 584  
DB 1149 CTCTGCCAGTGCAGGCTGGGCACCTGGGCTTTAGAGCTGGCTTCTG 1103

## RESULT 2

US-09-752-639-147  
; Sequence 147, Application US/09752639  
; Patent No. US2002091243A1  
; GENERAL INFORMATION:  
; APPLICANT: Gatanaga, T.  
; APPLICANT: Gatanaga, T.  
; TITLE OF INVENTION: Factors Altering Tumor Necrosis  
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods  
; TITLE OF INVENTION: of Use Thereof  
; NUMBER OF SEQUENCES: 154  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 755 PAGE MILL ROAD  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: FastSEQ for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/752,639  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US99/10793  
; FILING DATE:  
; APPLICATION NUMBER: 09/081,385  
; FILING DATE:  
; APPLICATION NUMBER: 08/964,747  
; FILING DATE: 05-NOV-1997  
; APPLICATION NUMBER: 60/030,761  
; FILING DATE: 06-NOV-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wu, Frank  
; REGISTRATION NUMBER: 41,386  
; REFERENCE/DOCKET NUMBER: 22000-20577.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-813-5600  
; TELEFAX: 650-494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 147:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4047 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: Genomic DNA  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 378...1799  
; OTHER INFORMATION:  
; US-09-752-639-147

Query Match 3.3%; Score 32.6; DB 10; Length 4047;  
Best Local Similarity 49.7%; Pred. No. 11;  
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;  
QY 418 CACAATGGGAAAACCTGGGTCCTGGAGACTCAGAAACCACTGTCAGAGGCTCGAGTCTTCC 477  
DB 2779 CACCCGGGGGGCCCTGGGTCGGGGCGGATCAGCTTTCCTGGGCACATCTGCCTCATTTCC 2838  
QY 478 CCTGCTCTGGCTTAACAGGCGCATGGAATCAGAGAGAAAAGTCATCTTCCACCTCCTGAAGG 537  
DB 2839 AGATCTCCAGGCTCATGCTCTGTGACAGGGAGGAGGCTCTGCGCTTCCGCTCAG 2898  
QY 538 CTGCCAGCGTCAGGCTTGGCACACTGAGGCTGACAGGGGCTTCTG 584  
DB 2899 CTCTGCCAGTGCAGGCTGGGCACCTGGGCTTTAGAGCTGGCTTCTG 2945

## RESULT 3

US-09-984-198-1/c  
; Sequence 1, Application US/09984198  
; Patent No. US20020106679A1  
; GENERAL INFORMATION:  
; APPLICANT: Gatanaga, T.  
; APPLICANT: Granger, G.A.  
; TITLE OF INVENTION: Factors Altering Tumor Necrosis  
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods  
; TITLE OF INVENTION: of Use Thereof  
; NUMBER OF SEQUENCES: 154  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 755 PAGE MILL ROAD  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: FastSEQ for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/984,198  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US99/10793  
; FILING DATE:  
; APPLICATION NUMBER: 09/081,385  
; FILING DATE:  
; APPLICATION NUMBER: 08/964,747  
; FILING DATE: 05-NOV-1997  
; APPLICATION NUMBER: 60/030,761  
; FILING DATE: 06-NOV-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wu, Frank  
; REGISTRATION NUMBER: 41,386  
; REFERENCE/DOCKET NUMBER: 22000-20577.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-813-5600  
; TELEFAX: 650-494-0792  
; TELEX: 706141

; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4047 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: Genomic DNA  
US-09-984-198-1

Query Match 3.3%; Score 32.6; DB 10; Length 4047;  
Best Local Similarity 49.7%; Pred. No. 11;  
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;  
Qy 418 CACAATGGGAAACTGGTCTGGAGACTCAGAAACCACTGTGCAGGCTCGAGTCTTCC 477  
Db 1269 CACCGGGGGGCCCTGGTGGGGGGGATCAGCTTCCCTGGGCACATCTGCCTCATTC 1210  
Qy 478 CTTGTCTGGCTTAACAGGGCATGGAATCAGAGAGAAAAGTATCTTCCACCTCTGAAGG 537  
Db 1209 AGATCTCCAGGGCTCATCTGTGTGACAGGGAGGAAAGCTCTGCCCTTCCGCTCAG 1150  
Qy 538 CTGCCAGCGTCAGGCTGGGCACACTGAGGCTGACAGGGGCTTCTG 584  
Db 1149 CTCTCCAGTCAGGCTGGGCAGCTGGGCTTTAGAGCTGGCTTCTG 1103

RESULT 4

US-09-984-198-147  
; Sequence 147, Application US/09984198  
; Patent No. US20020106679A1  
; GENERAL INFORMATION:  
; APPLICANT: Gatanaga, T.  
; APPLICANT: Granger, G.A.  
; TITLE OF INVENTION: Factors Altering Tumor Necrosis  
; TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods  
; TITLE OF INVENTION: of Use Thereof  
; NUMBER OF SEQUENCES: 154  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 755 PAGE MILL ROAD  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: FastSeq for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/984,198  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US99/10793  
; FILING DATE:  
; APPLICATION NUMBER: 09/081,385  
; FILING DATE:  
; APPLICATION NUMBER: 08/964,747  
; FILING DATE: 05-NOV-1997  
; APPLICATION NUMBER: 60/030,761  
; FILING DATE: 06-NOV-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wu, Frank  
; REGISTRATION NUMBER: 41,386  
; REFERENCE/DOCKET NUMBER: 22000-20577.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-813-5600  
; TELEFAX: 650-494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 147:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4047 base pairs

; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: Genomic DNA  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 378...1799  
; OTHER INFORMATION:  
US-09-984-198-147

Query Match 3.3%; Score 32.6; DB 10; Length 4047;  
Best Local Similarity 49.7%; Pred. No. 11;  
Matches 83; Conservative 0; Mismatches 84; Indels 0; Gaps 0;  
Qy 418 CACAATGGGAAACTGGTCTGGAGACTCAGAAACCACTGTGCAGGCTCGAGTCTTCC 477  
Db 2779 CACCGGGGGGCCCTGGTGGGGGGGATCAGCTTCCCTGGGCACATCTGCCTCATTC 2838  
Qy 478 CTTGTCTGGCTTAACAGGGCATGGAATCAGAGAGAAAAGTATCTTCCACCTCTGAAGG 537  
Db 2839 AGATCTCCAGGGCTCATCTGTGTGACAGGGAGGAAAGCTCTGCCCTTCCGCTCAG 2898  
Qy 538 CTGCCAGCGTCAGGCTGGGCACACTGAGGCTGACAGGGGCTTCTG 584  
Db 2899 CTCTCCAGTCAGGCTGGGCAGCTGGGCTTTAGAGCTGGCTTCTG 2945

RESULT 5

US-09-974-300-1251  
; Sequence 1251, Application US/09974300  
; Patent No. US20020146721A1  
; GENERAL INFORMATION:  
; APPLICANT: Berk, Randy M.  
; APPLICANT: Clausen, Ib Groth  
; TITLE OF INVENTION: Methods For Monitoring Multiple Gene  
; TITLE OF INVENTION: Expression  
; FILE REFERENCE: 10085.500-US  
; CURRENT APPLICATION NUMBER: US/09/974,300  
; CURRENT FILING DATE: 2001-10-05  
; PRIOR APPLICATION NUMBER: 09/680,598  
; PRIOR FILING DATE: 2000-10-06  
; PRIOR APPLICATION NUMBER: 60/279,526  
; PRIOR FILING DATE: 2001-03-27  
; NUMBER OF SEQ ID NOS: 8481  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1251  
; LENGTH: 289  
; TYPE: DNA  
; ORGANISM: Bacillus licheniformis  
US-09-974-300-1251

Query Match 3.2%; Score 32.4; DB 10; Length 289;  
Best Local Similarity 78.0%; Pred. No. 2.7;  
Matches 39; Conservative 0; Mismatches 11; Indels 0; Gaps 0;  
Qy 745 GCACAATTTTCACCTGCAGACCAGCTGCAGGAGTGTGATATAAGAGAGAGT 794  
Db 101 GCATTATTTTCATTGCAGAAGAGCTGAACGAGTGCATACAGAGAATGTT 150

RESULT 6

US-09-873-403-1/c  
; Sequence 1, Application US/09873403  
; Patent No. US2002028207A1  
; GENERAL INFORMATION:  
; APPLICANT: Srivastava, Pramod K  
; TITLE OF INVENTION: COMPLEXES OF ALPHA (2) MACROGLOBULIN AND ANTIGENIC  
; TITLE OF INVENTION: MOLECULES FOR IMMUNOTHERAPY  
; FILE REFERENCE: 8449-178  
; CURRENT APPLICATION NUMBER: US/09/873,403  
; CURRENT FILING DATE: 2001-06-04  
; PRIOR APPLICATION NUMBER: 09/625,139  
; PRIOR FILING DATE: 2000-07-25

```
; PRIOR APPLICATION NUMBER: 60/209,266
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 14849
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-873-403-1

Query Match          3.2%; Score 32.4; DB 10; Length 14849;
Best Local Similarity 50.6%; Pred. No. 27;
Matches 78; Conservative 0; Mismatches 76; Indels 0; Gaps 0;

QY 537 GCTGCCAGCGTCAGGCTTGGCACACTGAGGCTGACAGGGGCTTCTGAAGGCCAGAGGA 596
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2967 GGTGACACCACTGTGTCTCAACACCTGTCTCGGCACAGGCACACTGGCGCTCCCGG 2908
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 597 GATGCCCGGGACATAAGCGTGAAGCAACCTGTCTGAGCCAAAGATCTGTTGTGCTC 656
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2907 GGTGGCAGGACAGGCTGCTGCAGCCTCCGTTATTACCGGCATTTGTTGGTACCCAC 2848
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 657 CTGAATCTTAGTGGCTTCTTAAGCGGGGTGA 690
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2847 TTGCTGCTCGTGGCGCTGATACATTCCGATCTCA 2814
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 7
US-09-764-864-677/c
; Sequence 677, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; PRIOR FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 677
; LENGTH: 367
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (336)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (343)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-864-677

Query Match          3.2%; Score 32.2; DB 10; Length 367;
Best Local Similarity 50.4%; Pred. No. 3.6;
Matches 64; Conservative 5; Mismatches 58; Indels 0; Gaps 0;

QY 224 CCTGGTGACCCCTGCGAGGGCGGTATATCATGGCGATCGGTCCATGGCTTGCCCA 283
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 205 CCTGGTGGTCTTGGATGACCCCGCAGGGGGCGGCGGCAAGRCCTTGCCACAC 146
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 284 GCAGCACCAGCAATCCCATGCCCAACCAATGCTAAATGTTTGTGGTGGCCCTTTTC 343
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 145 TGGTCACAGCAAGAGCGGCGGACCTGTAATGYMCCACCTGKTGCTCTTTGAGGCTCGC 86
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 344 TGGAGC 350
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 85 TKGSTGC 79
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 8
US-09-783-590-6406
; Sequence 6406, Application US/09783590
; Patent No. US20020110850A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haodong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PO-16.2C1
; CURRENT APPLICATION NUMBER: US/09/783,590
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 08/420,856
; PRIOR FILING DATE: 1995-04-12
; PRIOR APPLICATION NUMBER: 08/346,731
; PRIOR FILING DATE: 1994-11-21
; NUMBER OF SEQ ID NOS: 12485
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6406
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (65)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (210)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (220)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (238)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (276)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (280)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (287)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (288)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (293)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (308)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (342)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-783-590-6406

Query Match          3.2%; Score 32; DB 10; Length 342;
Best Local Similarity 46.2%; Pred. No. 3.9;
Matches 98; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

QY 5 AGACTAGGAGTGAGCCAGAAGAGGAGGATGGTGGAGGCACAGGCTGCACCTCTACTGG 64
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 61 AGCCNTGATGTCCAGGACAGCTTGACCGCTGGGGTGGGTCCCTTCCACTGTCCCGG 120
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 65 TGCCCCAGACCCAGACTGCATGCCCGCCAGCGTGCAGTCCAAAGGATCTCGTGGGGGTCCC 124
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 121 CTGGGGCGCTGCTGTGGGCTGCCCTTGGCACCATCTCCTCTTTGGCCACAGTCAA 180
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 125 TGTCCCCCATAGCATCTTAGATCAGCTGCTGAGGCTGGAGCTTCTTCATTCCTTTGAGCA 184
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 181 GTACGACCTTAACAACCCGGACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 240
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```

QY 185 TCAGGGGTGTATCATTTCCAAGGGTTTCA 216  
 || ||||| |||| | || ||||  
 Db 241 CGGGCTTGTGTTTCATCATCGTGGTAGTTCA 272

## RESULT 9

US-09-764-869-1654  
; Sequence 1654, Application US/09764869  
; Patent No. US20020061521A1

```

; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1654
; LENGTH: 15425
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1654

```

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Query Match          3.2%; Score 31.8; DB 10; Length 15425;
Best Local Similarity 45.2%; Pred. No. 42;
Matches 117; Conservative 0; Mismatches 142; Indels 0; Gaps 0;
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Qy	351	TCACCTTCTCCTCTGTTGGCCCTCCATCTCCCAAACCAGTACTCTCTGGGCATCCTCC	410
Db	5429	TCTGCATCTGCTGCTATGGCCACCTCTTGCCCCCAGCTCTCCTGCTGCCAAGATGCC	5488

**Oy** | 411 TTGTCAACCAATGGGAAACTGGTCTTGAGACTCAGAAACCACCTGTGCAGGCCCTCGA 470  
| | | | | | | | | | | | | | | | | |  
**Db** 5489 ATCACCAACAGACAGACACTCTGGCCGGAGCTGCAGAGTCCCACAGAGGCTGAGGAGCC 5548

Qy 471 GTC TTC C C C T G T C C T G G C T A C A G G C A T G G A A T C A G A G A A A A G T A T C A T T T C C A C C T C 530

Db 5549 A C A G A C T C C A G C T C A G G C T C C C G G C G A A C A A G C A G C A G G A A G A G C C C A A T G C C C A C C G 5608

Qy	531	CTGAAGGCTGCCAGCGTCAGGGCTTGGCACACTGACAGGCTTGCAGGGCCCTTCTGAAGGCC	590
Db	5609	CAAGGATGGCACAAGGCTGGGGCTGGGCTCCCTGAGGCAGGCCCTTCTCCCGSGCCAGCCA	5688

QY 591 AGAGGAGATGGCCCGGAC 609

Db 5669 GCGGGCTTTGACCCAGGTC 5687

## RESULT, T 10

US-09-764-870-597  
; Sequence 597, Application US/09764870  
; Patent No. US20020042386A1

```

; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT214
; CURRENT APPLICATION NUMBER: US/09/764,870
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 646
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 597
; LENGTH: 25950
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-870-597

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Query Match          3.2%; Score 31.8; DB 10; Length 25950;
Best Local Similarity 56.1%; Pred. NO. 58;
Matches 60; Conservative 0; Mismatches 47; Indels 0; Gaps 0;
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847 AGCCTCATATCCAGCTTGTGTGATACCAATTCCAGTGAAGCTGGAACAAGCTGGCACTGC 906

Db 17620 AGACTTTTCATTAACTACATGGATTTTAAAGCTCAGTGAAGTTTACAAATATCTCTAT 17679

Qy 907 TCAACAGAGCGCTACACAGACATCATGTTTTTTTTTTTTTTTTTTCACC. 953

Db 17680 TGTTTTAGAAGTATTCACAGACGTTTTTTTTTTTTTTTTTTTTTGGCC 17726

## RESULT 11

```

US-09-910-943-592/c
; Sequence 592, Application US/09910943
; Patent No. US20020081610A1
; GENERAL INFORMATION:
; APPLICANT: Hemmati-Brivanlou, Ali
; APPLICANT: Altman, Curtis
; TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
; FILE REFERENCE: 7529/1G148Usl
; CURRENT APPLICATION NUMBER: US/09/910,943
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 592
; LENGTH: 798
; TYPE: DNA
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(798)
; OTHER INFORMATION: n may be a or g or c or t/u
US-09-910-943-592

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Query Match 3.2%; Score 31.6; DB 10; Length 798;  
Best Local Similarity 60.5%; Pred. NO. 8.6;  
Matches 52; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy	6	GACTAGAGTGGAGCCAGAAGAGGGGAAGGATGTGGAGGCACAGGCTGCACTCTACTGGT	65
Db	716	GACAAGTAGTATTCAATGAATGGGGCGGTGTGGGGAGGCACAGGTTCCTACTCAAAATGTT	657

QY 66 GCCCAGACCCAGACTGCATGCCCG 91

Db 656 TCCAGGAGCAAAAGCTCCATGTGCAG 631

DEBIT 12

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RES001_12
US-09-764-847-1330/c
; Sequence 1330, Application US/09764847
; Patent NO. US20020132767A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009
; CURRENT APPLICATION NUMBER: US/09/764,847
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2003
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1330
; LENGTH: 2952
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-847-1330

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Query Match 3.2%; Score 31.6; DB 10; Length 2952;  
Best Local Similarity 51.4%; Pred. NO. 19;  
Matches 73; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

[illegible]

QY 337 CTCTTCTGGAAGCTCACCTTCTCCCTCCTGTTTGCCTCCATCTTCCCCAACCACTACT 396

Db 2781 CTCCTCCTTGGAAAGGGTTTATCCAACTCTCAGCTGCCCTTAGGCCCTCTCATGACGACA 2722  
Qy 397 TCTGGCCATCCTCCTGTGTACAC 418  
Db 2721 TCAGCCCTTCGGAGTTCTCACC 2700  
RESULT 13  
US-09-764-847-1331/c  
; Sequence 1331, Application US/09764847  
; Patent No. US20020132767A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC009  
; CURRENT APPLICATION NUMBER: US/09/764,847  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 2003  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1331  
; LENGTH: 7755  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-847-1331  
Query Match 3.2%; Score 31.6; DB 10; Length 7755;  
Best Local Similarity 51.4%; Pred. No. 33;  
Matches 73; Conservative 0; Mismatches 69; Indels 0; Gaps 0;  
Qy 277 CTTCCAAAGCAGCACCAGCAATCCCAATGCCCAATGCACCTAAATGTTTGTGGTGGGC 336  
Db 7644 CTTGCCACCTTCCCAATCAAGCCTAATGCGCTTGCTGCTGAACCTGGGTACTCAGC 7585  
Qy 337 CTCCTTCTGGAGCTCAGCTTCTCTCTCTGTTGGCCCTCCATCTTCCCAACAGTACT 396  
Db 7584 CTCCTCCTTGGAAAGGGTTTATCCAACTCTCAGCTGCCCTTAGGCCCTCTCATGACGACA 7525  
Qy 397 TCTGGCCATCCTCCTGTGTACAC 418  
Db 7524 TCAGCCCTTCGGAGTTCTCACC 7503  
RESULT 14  
US-09-998-598-164  
; Sequence 164, Application US/09998598  
; Patent No. US20020150922A1  
; GENERAL INFORMATION:  
; APPLICANT: Stolk, John A.  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Chenault, Ruth A.  
; APPLICANT: Meagher, Madelein Joy  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.561  
; CURRENT APPLICATION NUMBER: US/09/998,598  
; CURRENT FILING DATE: 2001-11-16  
; NUMBER OF SEQ ID NOS: 2606  
; SOFTWARE: Corixa Invention Disclosure Database  
; SEQ ID NO 164  
; LENGTH: 372  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc-feature  
; LOCATION: 163, 315, 369  
; OTHER INFORMATION: n = A,T,C or G  
US-09-998-598-164  
Query Match 3.1%; Score 31.4; DB 10; Length 372;  
Best Local Similarity 51.4%; Pred. No. 6.4;  
Matches 71; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

Qy 442 AGACTCAGAAACCACTGTGAGGGCTCTGAGTCTTCCCTGTCTGCGCTAACAGGGCATGG 501  
Db 222 AGTCCACAGACCTCTGGGAAGCCCTGAAAACGCTGATGCTTGTGTAAGATCTCAAGC 281  
Qy 502 AATCAGAGAGAAAAGTATCTTCCACCTCTCTGAAGGCTGCCAGGCTCAGGGCTTGGCACA 561  
Db 282 GCAGAGTCTCAAGTTCTATCCCTCTTTCCTGANGTCTGTGGCTGGAGGCTGCAGACA 341  
Qy 562 CTGAGGCTGACAGGGGCC 579  
Db 342 TTGGTGATGACATGGACC 359  
RESULT 15  
US-09-764-847-197/c  
; Sequence 197, Application US/09764847  
; Patent No. US20020132767A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC009  
; CURRENT APPLICATION NUMBER: US/09/764,847  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 2003  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 197  
; LENGTH: 471  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-847-197  
Query Match 3.1%; Score 31.4; DB 10; Length 471;  
Best Local Similarity 51.0%; Pred. No. 7.3;  
Matches 74; Conservative 0; Mismatches 71; Indels 0; Gaps 0;  
Qy 277 CTTCCAAAGCAGCACCAGCAATCCCAATGCCCAATGCACCTAAATGTTTGTGGTGGGC 336  
Db 360 CTTGCCACCTTCCCAATCAAGCCTAATGCGCTTGCTGCTGAACCTGGGTACTCAGC 301  
Qy 337 CTCCTTCTGGAGCTCAGCTTCTCTCTGTTTGGCCCTCCATCTTCCCAACAGTACT 396  
Db 300 CTCCTCCTTGGAAACGKTTTATCCAACTCTCAGCTGCCCTTWGGCCTCTCATGACGACA 241  
Qy 397 TCTGGCCATCCTCCTGTGTACACCA 421  
Db 240 TCAGCCCTTCGGAGTTCTCAGTGCA 216

Search completed: December 25, 2002, 01:11:06  
Job time : 85.3252 secs

GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 21:54:28 ; Search time 32.3575 Seconds  
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Title: US-09-708-724A-3\_COPY\_50000\_51000

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Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 356696 seqs, 198428768 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published\_Applications\_NA:\*

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- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
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- 11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
c 1	85.2	8.5	403	10	US-09-864-761-15584
c 2	58.6	5.9	684973	10	Sequence 15584, A
c 3	42.2	4.2	143068	10	Sequence 1, Appli
c 4	41.2	4.1	390	10	Sequence 316, App
c 5	40.6	4.1	143068	10	Sequence 7792, Ap
c 6	37	3.7	152	10	Sequence 316, App
c 7	36.6	3.7	2417	9	Sequence 32094, A
c 8	36.6	3.7	2417	9	Sequence 334, App
c 9	36.6	3.7	2417	10	Sequence 334, App
c 10	36.6	3.7	2417	10	Sequence 334, App
c 11	36.6	3.7	2417	10	Sequence 334, App
c 12	36.6	3.7	3674	9	Sequence 698, App
c 13	36.6	3.7	3674	10	Sequence 698, App
c 14	36.6	3.7	3674	10	Sequence 698, App
c 15	36.6	3.7	3674	10	Sequence 698, App
c 16	36.6	3.7	35100	10	Sequence 698, App
c 17	34.2	3.4	1503841	9	Sequence 26, Appli
c 18	34.2	3.4	1503841	10	Sequence 1, Appli
c 19	34.2	3.4	1503841	10	Sequence 1, Appli

20	33.8	3.4	2709	9	US-09-922-199A-3
21	33.8	3.4	3691	9	US-09-922-199A-1
c 22	33.2	3.3	453	10	US-09-864-761-5178
c 23	32.6	3.3	38374	10	US-09-880-107-3463
c 24	32.2	3.2	369	10	US-09-960-352-12466
c 25	32.2	3.2	1101	10	US-09-771-161A-3
26	31.6	3.2	3651	10	US-09-880-107-3870
27	31.4	3.1	512	9	US-09-736-457-24
28	31.4	3.1	512	9	US-09-902-941-24
29	31.2	3.1	1772	9	US-09-938-842A-3769
c 30	31.2	3.1	2200	10	US-09-728-952-88
c 31	31	3.1	279	9	US-10-158-735-5
c 32	31	3.1	313	10	US-09-864-761-20939
c 33	31	3.1	8472	9	US-09-764-868-1306
c 34	31	3.1	8472	9	US-09-764-868-1307
c 35	31	3.1	16337	10	US-09-764-877-3468
c 36	30.8	3.1	1030	10	US-09-850-351A-144
c 37	30.8	3.1	1278	10	US-09-850-351A-26
c 38	30.8	3.1	1287	10	US-09-887-576-570
c 39	30.8	3.1	2004	10	US-09-887-576-266
c 40	30.8	3.1	2006	10	US-09-887-576-321
c 41	30.8	3.1	2006	10	US-09-887-576-517
c 42	30.8	3.1	3477	10	US-09-969-347-221
c 43	30.6	3.1	199	10	US-09-867-701-1710
c 44	30.6	3.1	201	10	US-09-833-381-370
c 45	30.6	3.1	265	10	US-09-923-876-1281

ALIGNMENTS

RESULT 1

- US-09-864-761-15584/c
- ; Sequence 15584, Application US/09864761
- ; Patent NO. US20020048763A1
- ; GENERAL INFORMATION:
- ; APPLICANT: Penn, Sharron G.
- ; APPLICANT: Rank, David R.
- ; APPLICANT: Hanzel, David K.
- ; APPLICANT: Chen, Wensheng
- ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
- ; FILE REFERENCE: Aecomica-X-1
- ; CURRENT APPLICATION NUMBER: US/09/864,761
- ; CURRENT FILING DATE: 2001-05-23
- ; PRIOR APPLICATION NUMBER: US 60/180,312
- ; PRIOR FILING DATE: 2000-02-04
- ; PRIOR APPLICATION NUMBER: US 60/207,456
- ; PRIOR FILING DATE: 2000-05-26
- ; PRIOR APPLICATION NUMBER: US 09/632,366
- ; PRIOR FILING DATE: 2000-08-03
- ; PRIOR APPLICATION NUMBER: GB 24263.6
- ; PRIOR FILING DATE: 2000-10-04
- ; PRIOR APPLICATION NUMBER: US 60/236,359
- ; PRIOR FILING DATE: 2000-09-27
- ; PRIOR APPLICATION NUMBER: PCT/US01/00666
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00667
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00664
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00669
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00665
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00668
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00663
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00662
- ; PRIOR FILING DATE: 2001-01-30
- ; PRIOR APPLICATION NUMBER: PCT/US01/00661
- ; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15584
; LENGTH: 403
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000547.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
US-09-864-761-15584

Query Match      8.5%; Score 85.2; DB 10; Length 403;
Best Local Similarity 61.1%; Pred. No. 1.4e-16;
Matches 138; Conservative 0; Mismatches 88; Indels 0; Gaps 0;

Qy 771 TCAAGTCTTCAGGAATGCAACTACTCTCAGTGACAGAGATAATATCATCTTCTGAC 830
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 389 TCAAGTAAAGCAAGGAGGTGCTGCTCCAGTTGGCTGCAATAATTAACAACCTTGAGCC 330
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 831 AGAGGAGGAATTTGGGTTTGGTCCAGTCCATGAAGTGGCCACAGTCAGATAAAAGGTG 890
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 329 CAAGCAGACATTTGGGTCTGTTGGGACCATGAGCGGCTCGGTGAGACTGAGAGGTA 270
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 891 AGAGCTTAGGAGATTAGCGGAGGTAGAGAACACTCTGTCTGTGACCAGCTTCAGAGA 950
      || || || || || || || || || || || || || || || || || || || ||
Db 269 AGGCAGGCGCAGGAATTGGGATAGTAGGATTGAACCTCTCCCTGGGGGCCAGCCTCAGAAA 210
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 951 GCCTGGGGCCATGCTTCTCGTCAACATTAGGCCCTCTCGCATGG 996
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 209 GCCTGTGCCCATGGCTCTTGCCCAACATCATGACCTCTGTGCTGG 164
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 2
US-09-263-959-1
; Sequence 1, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
```

```
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 684973 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-1

Query Match      5.9%; Score 58.6; DB 10; Length 684973;
Best Local Similarity 64.1%; Pred. No. 2.1e-06;
Matches 139; Conservative 0; Mismatches 69; Indels 9; Gaps 3;

Qy 1 AGCAACCTGTAAAGTTCGGGCTGCAATCATATAGTAAGATGGAAGCTTGTATGGGCAG 60
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43125 AGCATCTGAAATATTTGAGCTGCAACATAGTAGTAAGAAAGCTTGCATGGGGA- 43183
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 61 GGATGGCTGCAGCTTCATGGATAGAAATGTCCAGCTT--GGGCTAGATACATCCAACATG 118
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43184 -GATGCCCTGCAGCTACACCAANAGAAAAGGTGTACTGGGGGCCAGGCATGTCCACCATA 43242
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 119 GGGGCTCCA-----CTCCTCTTTGTAGCACACGACCCATAGGAAAGAGATGAAGCAACTTG 173
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43243 GAAGCTTCATCTCCCTTTTGTAGCACATGTACAGTAAGAAAGAAATGGCAACATG 43302
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 174 GAGTAGCTCAAAAGTCACGGAGCCTCAGTGCCCTTC 210
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 43303 GTGAGCTCAGGCCAGAGGGAGTAGTATTGTGCTC 43339
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 3
US-09-967-768A-316
; Sequence 316, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 316
; LENGTH: 143068
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-967-768A-316

Query Match      4.2%; Score 42.2; DB 10; Length 143068;
Best Local Similarity 58.3%; Pred. No. 0.1;
Matches 74; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

Qy 1 AGCAACCTGTAAAGTTCGGGCTGCAATCATATAGTAAGATGGAAGCTTGTATGGGCAG 60
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 70614 AGAGCCTGTAAATTTGAGCTGCAGACATAGATAGCAAGCTTGGACGGGTGA 70673
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 61 GGATGGCTGCAGCTTCATGGATAGAAATGTCCAGCTTGGGCTAGATACATCCAACATGG 120
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 70674 ATGCCGGCAGCTGTGCCAATAGGAAAGGCTATCTGGGGGCCAGGCATGTTTCAACATGGA 70733
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 121 GGCTCCA 127
      |||||
Db 70734 TTCTCCA 70740
      |||||

RESULT 4
US-09-783-590-7792/c
```



## RESULT 5

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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 32094
; LENGTH: 152
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000547.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EST HUMAN HIT: B6766554.1, EVALUE 5.10e-01
; OTHER INFORMATION: NT HIT: U19251.1, EVALUE 3.50e-01
; OTHER INFORMATION: SWISSPROT HIT: Q03385, EVALUE 9.00e-06
; US-09-864-761-32094

Query Match          3.7%; Score 37; DB 10; Length 152;
Best Local Similarity 57.3%; Pred. No. 0.072;
Matches 67; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 771 TCAAGTCCTTCAGAAATGCAACTACTTCAGTGACAGAGATAATATCATCTCTTGAC 830
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 117 TCAAGTAAGCAAGAGGAGGTCGCTCCAGTTGGCTGCTCAAAATAATTACAACCTTGAGCC 58

Qy 831 AGAGAGGAATTTGGGGTTTGGTCCAGTCATCAAGTGACAGATCAATAAAG 887
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 57 CAAGAGCACTTGGGCTCTGGTTGGGACCATGAAGCGGCTCGGTGAGACTGAGAG 1

RESULT 7
US-09-232-880-334
; Sequence 334, Application US/09232880
; Publication No. US20020182596A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNODIAGNOSIS OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C6
; CURRENT APPLICATION NUMBER: US/09/232.880
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-880-334

Query Match          3.7%; Score 36.6; DB 9; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAATCAACTACTTCCAGTGACAGAGATAATATCATCTTCTGACAGAGGAATTT 842
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTTACAGCCTTCACTCTGGGAGAACT 2113

Qy 843 TGGGGTTTGGTCCAGTCCATCAAGTGCGCACAGTCAGATAAAAGGT 889
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2114 GGGGGCCTGTTCTTGGGTACAGAGACAGCCCGCAGTGAGGTTGAGAGCT 2160

RESULT 9
US-09-759-143-334
; Sequence 334, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
```

```
Qy 843 TGGGGTTTGGTCCAGTCCATGAAGTGGCACAGTCAGATAAAAGGT 889
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2114 GGGGGCCTGTTCTTGGGTACAGAGACAGCCCGCAGTGAGGTTGAGAGCT 2160

RESULT 8
US-10-012-896-334
; Sequence 334, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012.896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 334
; LENGTH: 2417
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-334

Query Match          3.7%; Score 36.6; DB 9; Length 2417;
Best Local Similarity 58.9%; Pred. No. 0.49;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAATCAACTACTTCCAGTGACAGAGATAATATCATCTTCTGACAGAGGAATTT 842
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2054 AGGAGACCCAGCTGCTCAGGTGGCTGCAAAATCATTTACAGCCTTCACTCTGGGAGAACT 2113

Qy 843 TGGGGTTTGGTCCAGTCCATCAAGTGCGCACAGTCAGATAAAAGGT 889
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2114 GGGGGCCTGTTCTTGGGTACAGAGACAGCCCGCAGTGAGGTTGAGAGCT 2160

RESULT 9
US-09-759-143-334
; Sequence 334, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
```

APPLICANT: Fanger, Gary R.  
 APPLICANT: Retter, Marc W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedrick, Thomas S.  
 APPLICANT: Carter, Darrick  
 APPLICANT: Li, Samuel  
 APPLICANT: Wang, Aijun  
 APPLICANT: Skeiky, Yasir A.W.  
 APPLICANT: Hepler, William  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 FILE REFERENCE: 210121.427C23  
 CURRENT APPLICATION NUMBER: US/09/759,143  
 CURRENT FILING DATE: 2001-01-12  
 NUMBER OF SEQ ID NOS: 934  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 334  
 LENGTH: 2417  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 US-09-759-143-334

Query Match 3.7%; Score 36.6; DB 10; Length 2417;  
 Best Local Similarity 58.9%; Pred. No. 0.49;  
 Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Oy 783 AGGAAATGCAACTACTTCCAGTGCACAGAGATAATTATCATCTTCTGCACAGAGGAGGAATT 842  
 Db 2054 AGGAGACCCAGCTGCTCAGTGGTGCCTGCAATCATTTACAGCCCTTCATCTCTGGGAGGAATT 2113  
 Oy 843 TGGGGTTTGGTCCAGTCCATGAAGTGGCAGCAGATCAATAAAAGGT 889  
 Db 2114 GGGGCGCTGGTCTTGGGTGAGAGAGCAGCCAGTGAGGGTGAGAGCT 2160

RESULT 11  
 US-09-822-827-334  
 Sequence 334, Application US/09822827  
 Patent No. US20020081680A1  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 FILE REFERENCE: 210121.534C1  
 CURRENT APPLICATION NUMBER: US/09/822,827  
 CURRENT FILING DATE: 2001-03-28  
 NUMBER OF SEQ ID NOS: 982  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 334  
 LENGTH: 2417  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 US-09-822-827-334

Query Match 3.7%; Score 36.6; DB 10; Length 2417;  
 Best Local Similarity 58.9%; Pred. No. 0.49;  
 Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Oy 783 AGGAAATGCAACTACTTCCAGTGCACAGAGATAATTATCATCTTCTGCACAGAGGAGGAATT 842  
 Db 2054 AGGAGACCCAGCTGCTCAGTGGTGCCTGCAATCATTTACAGCCCTTCATCTCTGGGAGGAATT 2113  
 Oy 843 TGGGGTTTGGTCCAGTCCATGAAGTGGCAGCAGATCAATAAAAGGT 889  
 Db 2114 GGGGCGCTGGTCTTGGGTGAGAGAGCAGCCAGTGAGGGTGAGAGCT 2160

RESULT 12  
 US-10-012-896-698  
 Sequence 698, Application US/10012896  
 Publication No. US20020183251A1  
 GENERAL INFORMATION:  
 APPLICANT: Xu, Jiangchun  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Mitcham, Jennifer L.  
 APPLICANT: Harlocker, Susan L.  
 APPLICANT: Jiang, Yuqiu  
 APPLICANT: Kalos, Michael D.  
 APPLICANT: Retter, Marc W.  
 APPLICANT: Stolk, John A.  
 APPLICANT: Day, Craig H.  
 APPLICANT: Vedrick, Thomas S.  
 APPLICANT: Carter, Darrick  
 APPLICANT: Li, Samuel X.  
 APPLICANT: Wang, Aijun  
 APPLICANT: Skeiky, Yasir A.W.  
 APPLICANT: Hepler, William T.  
 APPLICANT: Henderson, Robert A.  
 APPLICANT: Hural, John  
 APPLICANT: McNeill, Patricia D.  
 APPLICANT: Houghton, Raymond L.  
 APPLICANT: Vinals de Bassols, Carlota  
 APPLICANT: Foy, Teresa  
 APPLICANT: Fanger, Gary R.

```
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012.896
; CURRENT FILING DATE: 2001-12-10
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 698
; LENGTH: 3674
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-698

Query Match      3.7%; Score 36.6; DB 9; Length 3674;
Best Local Similarity 58.9%; Pred. No. 0.63;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGCACAGAGGAGGAATT 842
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3293 AGGACACCCAGCTGCTCAGGTGGCTGCAAAATCATTACAGCCTTTCATCTCTGGGAGGAACT 3352
      |||| | || || || || || || || || || || || || || || || || || || ||

Qy 843 TGGGGTTTGGTCCCACTCCAGTGCACAGTCACAGTCAAGATAAAAGGT 889
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3353 GGGGGCCTGGTCTCGGTGCAGAGACGACCCCACTGAGGGTGAGAGCT 3399

RESULT 13
US-09-759-143-698
; Sequence 698, Application US/09/759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780.669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 698
; LENGTH: 3674
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-698

Query Match      3.7%; Score 36.6; DB 10; Length 3674;
Best Local Similarity 58.9%; Pred. No. 0.63;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGCACAGAGGAGGAATT 842
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3293 AGGACACCCAGCTGCTCAGGTGGCTGCAAAATCATTACAGCCTTTCATCTCTGGGAGGAACT 3352
      |||| | || || || || || || || || || || || || || || || || || || ||

Qy 843 TGGGGTTTGGTCCCACTCCAGTGCACAGTCACAGTCAAGATAAAAGGT 889
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3353 GGGGGCCTGGTCTCGGTGCAGAGACGACCCCACTGAGGGTGAGAGCT 3399

RESULT 14
US-09-780-669-698
; Sequence 698, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780.669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 698
; LENGTH: 3674
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-698

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Best Local Similarity 58.9%; Pred. No. 0.63;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGCACAGAGGAGGAATT 842
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3293 AGGACACCCAGCTGCTCAGGTGGCTGCAAAATCATTACAGCCTTTCATCTCTGGGAGGAACT 3352
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Qy 843 TGGGGTTTGGTCCCACTCCAGTGCACAGTCACAGTCAAGATAAAAGGT 889
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3353 GGGGGCCTGGTCTCGGTGCAGAGACGACCCCACTGAGGGTGAGAGCT 3399

RESULT 15
US-09-822-827-698
; Sequence 698, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822.827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 698
; LENGTH: 3674
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-698

Query Match      3.7%; Score 36.6; DB 10; Length 3674;
Best Local Similarity 58.9%; Pred. No. 0.63;
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

Qy 783 AGGAAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGCACAGAGGAGGAATT 842
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3293 AGGACACCCAGCTGCTCAGGTGGCTGCAAAATCATTACAGCCTTTCATCTCTGGGAGGAACT 3352
      |||| | || || || || || || || || || || || || || || || || || || ||

Qy 843 TGGGGTTTGGTCCCACTCCAGTGCACAGTCACAGTCAAGATAAAAGGT 889
      |||| | || || || || || || || || || || || || || || || || || || ||
Db 3353 GGGGGCCTGGTCTCGGTGCAGAGACGACCCCACTGAGGGTGAGAGCT 3399
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Query Match 3.7%; Score 36.6; DB 10; Length 3674;  
Best Local Similarity 58.9%; Pred. No. 0.63;  
Matches 63; Conservative 0; Mismatches 44; Indels 0; Gaps 0;  
Qy 783 AGGAATGCAACTACTTCAGTGACAAGAGATAATTATCATCTTCTGACAGAGGAGGAATT 842  
Db 3293 AGGAGACCCAGCTGCTCAGGTGGCTGCCAAATCATTCACAGCCTTCATCTGGGAGGAAC 3352  
Qy 843 TGGGGTTTGGTCCCGAGTCCATGAAGTGGCACAGTCAGATAAAAGGT 889  
Db 3353 GGGGGCCTGGTTCTGGGTCAGAGAGACCCCGAGTGAGGGTGAGAGCT 3399

Search completed: December 25, 2002, 01:50:07  
Job time : 366.357 secs

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GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 24, 2002, 21:54:28 ; Search time 32.3575 Seconds  
(without alignments)  
12277.043 Million cell updates/sec

Title: US-09-708-724a-3\_COPY\_70000\_71000

Perfect score: 1001

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 356696 seqs, 198428768 residues

Total number of hits satisfying chosen parameters: 713392

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_NA:\*

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- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
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- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
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- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	584.6	58.4	4977	10	US-09-764-864-1602
2	164.8	16.5	273	10	US-09-867-701-3384
3	151.8	15.2	532	10	US-09-864-761-16458
4	124.4	12.4	572	10	US-09-864-761-12906
5	103.2	10.3	465	10	US-09-864-761-5325
6	100.6	10.0	143088	10	US-09-967-768A-316
7	91.6	9.2	174	10	US-09-864-761-22099
8	70.8	7.1	525	10	US-09-777-564-1267
9	69.6	7.0	458	10	US-09-777-564-734
10	67.8	6.8	547	10	US-09-777-564-1266
11	67	6.7	238	10	US-09-783-590-4293
12	47.4	4.7	337	10	US-09-563-817-60
13	42.4	4.2	810	10	US-09-908-711-60
14	41.4	4.1	569	10	US-09-864-761-12956
15	37	3.7	391	10	US-09-864-761-10401
16	37	3.7	447	10	US-09-864-761-4701
17	37	3.7	963	8	US-08-914-350-1
18	33.8	3.4	172	10	US-09-864-761-21441
19	33.8	3.4	508	10	US-09-783-590-3788

c	20	33	3.3	2430	9	US-09-286-488-3	Sequence 3, Appli
c	21	33	3.3	2430	9	US-09-286-488-40	Sequence 40, Appli
c	22	33	3.3	2430	10	US-09-737-178-3	Sequence 3, Appli
c	23	33	3.3	2430	10	US-09-737-178-40	Sequence 40, Appli
c	24	32.6	3.3	972	9	US-09-938-842A-271	Sequence 271, App
c	25	32.6	3.3	1166	10	US-09-770-445-60	Sequence 60, Appli
c	26	32.4	3.2	9464	10	US-09-738-847-1	Sequence 1, Appli
c	27	32.2	3.2	334	10	US-09-864-761-25121	Sequence 25121, A
c	28	32.2	3.2	592	10	US-09-864-761-8391	Sequence 8391, Ap
c	29	32	3.2	2421	10	US-09-925-301-316	Sequence 316, App
c	30	32	3.2	4340	10	US-09-880-107-2232	Sequence 2232, Ap
c	31	31.4	3.1	1653	10	US-09-897-214-9	Sequence 9, Appli
c	32	31.2	3.1	2940	9	US-09-884-001-3	Sequence 3, Appli
c	33	30.8	3.1	527	10	US-09-864-761-7934	Sequence 7934, Ap
c	34	30.8	3.1	3330	10	US-09-917-800A-1495	Sequence 1495, Ap
c	35	30.6	3.1	459	9	US-09-938-842A-3007	Sequence 3007, Ap
c	36	30.4	3.0	343	10	US-09-867-701-1843	Sequence 1843, Ap
c	37	30.4	3.0	586	12	US-10-002-600-116	Sequence 116, App
c	38	30.4	3.0	2174	10	US-09-925-300-616	Sequence 616, App
c	39	30.4	3.0	21222	10	US-09-734-676-3	Sequence 3, Appli
c	40	30.4	3.0	99014	10	US-09-880-107-3428	Sequence 3428, Ap
c	41	30.2	3.0	1713	10	US-09-887-576-809	Sequence 809, App
c	42	30.2	3.0	12718	10	US-09-764-869-1389	Sequence 1389, Ap
c	43	30.2	3.0	368004	10	US-09-949-654-3	Sequence 3, Appli
c	44	30	3.0	1728	9	US-09-938-842A-2675	Sequence 2675, Ap
c	45	30	3.0	3610	10	US-09-880-107-2406	Sequence 2406, Ap

ALIGNMENTS

RESULT 1

US-09-764-864-1602  
; Sequence 1602, Application US/09764864  
; Patent No. US20020132753A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PTZ23

; CURRENT APPLICATION NUMBER: US/09/764,864

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 1792

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1602

; LENGTH: 4977

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-764-864-1602

Query Match 58.4%; Score 584.6; DB 10; Length 4977;  
Best Local Similarity 74.9%; Pred. No. 3.5e-174;  
Matches 745; Conservative 0; Mismatches 249; Indels 1; Gaps 1;

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Qy	67	TACATGATCCCACTACAGCCCGCCAGCTCCCTCCAGTAGTACCCATGAGCCAGCTGTAATCT	126
Db	2647	CCCAGGTGGCCCAACCATGGCCCGCCAGTCCCTCCCTAGAGCTATGAGTACAGCTGAGCCT	2706
Qy	127	GAATGTGAAGTGAATGAAGACGACGAGTGCACACTGACGTCACACCTCATACATG	186
Db	2707	GAGTGCRAAGTGAAGAGAGAGAGCCCAACCATGATGATGACATCAACCCCATTAACCTG	2766
Qy	187	GGGTACAGTCAAGAAACACCAAGCTGAGAAATCGTGTAGTGCCAGGCTCAGGC	246
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Qy	247	AAAAACCCCTGACTCCATGTTTATGGCCATGCTAGCTGTAATATCTGTGTCAGTATGATT	306
Db	2827	-AAAACCCCTGATTCCATGCTCTTTGGCCATGTTAGCCCATATGCTCTGTGCTACCTT	2885

QY 307 TTCTGTGTCAGAGCAAAACATATTGGGCATATTTTCTTAACCCACCGGTAGTGTATC 366  
Db 2886 TCCCTGTGTCAGAGCAAAACATATTGGGCATATTTTCTTAACCCACCGGTAGTGTATC 2945  
QY 367 ATACTCTGAAGCAGACCTCTCTCAGATATATCATGATCAAGGAGCATCAGTACCAGGA 426  
Db 2946 TATACTTTGGAGCTCACCTCTCAGATATTTTCTTAACCCACCGGTAGTGTATC 3005  
QY 427 CCTCTAACTCCCTGACACAGAGCAATAGACTCTCTAATAAATGGTATCAATATACC 486  
Db 3006 CCCCTAACTCCCTGACATAGAAAGTGTAGCTCTCAGACAAATGTCTTAATATATACC 3065  
QY 487 ACTCATTGGAGGACTCTCTTTATGTCTCAACCCAGGATACATTTCACTGAGTTGC 546  
Db 3066 ACTCCACTGGAAGGACTCCCTTTGTTTATCACCACAAAGAGCTGCTCAGCCATAGTGT 3125  
QY 547 CTTGAGTTTGTATCCAGCAGCTGTTGAGTTTACATATAAATAATATGTACCTATTAGAC 606  
Db 3126 CTTGCAATTCAGCTCAACATGTTGAGTCTACTATGGAATAATATGTACTTATAGGT 3185  
QY 607 CTTAGCTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 666  
Db 3186 CTTGTTTCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3245  
QY 667 TGTACTGATTATACAGATGGGCTCCCTTTTGATAATTTCTACCCCTCTTGGGCCAC 726  
Db 3246 TGTGCTGATTATACAGATGGGCTCCCTTTTGATAATTTCTACCCCTCTTGGGCCAC 3305  
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QY 787 CCTGTGTGCTAATTAAGATGGGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 846  
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QY 847 CACTGTGTGCGAAATCTTAACATCTCTTCACTTCAACACACTGGGATTCATCCCAATCT 906  
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QY 907 GCGTCAACTGCTGTGGATGGAACGGCTTTAGCCACCTTTGCCATGATGGCATAT 966  
Db 3486 GCTGCTCAGATGCTGTGGATGGAACGGCTTTAGCCACCTTTGCCATGATGGCATAT 3545  
QY 967 CAAGGAAGAGAGTCCCAATTCAGAGTCTATGTG 1001  
Db 3546 CTGGGAGGAAGGACCAATTCAGAGTCTATGTG 3580

RESULT 2  
US-09-867-701-3384  
; Sequence 3384, Application US/09867701  
; Patent No. US20020132237A1  
; GENERAL INFORMATION:  
; APPLICANT: Jones, Robert  
; APPLICANT: Harlocker, Susan L.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; FILE REFERENCE: 210121.497  
; CURRENT APPLICATION NUMBER: US/09/867.701  
; CURRENT FILING DATE: 2001-05-29  
; NUMBER OF SEQ ID NOS: 10912  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3384  
; LENGTH: 273  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(273)  
; OTHER INFORMATION: n = A,T,C or G

US-09-867-701-3384

Query Match 16.5%; Score 164.8; DB 10; Length 273;  
Best Local Similarity 82.5%; Pred. No. 2.9e-42;  
Matches 212; Conservative 0; Mismatches 43; Indels 2; Gaps 2;

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QY 314 GCAGAAGCAAAACATATTGGGCATATTTCTTAACCCACCGGTAGTGTGA-TCATACTC 372  
Db 69 GCAGAGGCAAAACATATTGGGCATATGTTCCAGCCGCCAGCAGTATGACCCATCT 128  
QY 373 TGAGCAGCACTCTCTCTGAGATATATCATGATCAAGGAGCATCAGTACCA-GGACCTCT 431  
Db 129 TGGAGTGACACTCTCTCTTAAGATTATCATGATTAAGGAGCATGGCTCCAGGACCCCT 188  
QY 432 AACTCCCTGACACAGAGCAATTAGACTCTCATCAATGATCAATTTATACCACTCC 491  
Db 189 AACTCCCTGACATAGAACAGTTAGACTCTCAGAAATAATGTCATTAATATACCGTTCC 248  
QY 492 ATTGAGGAGCTTCTT 508  
Db 249 ATTGAGGAGCTTCTT 265

RESULT 3

US-09-864-761-16458  
; Sequence 16458, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE REFERENCE: Aemica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
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; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21



; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663  
 ; PRIOR FILING DATE: 2001-01-30  
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 ; PRIOR FILING DATE: 2001-01-30  
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 ; PRIOR FILING DATE: 2001-01-30  
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 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 09/608,408  
 ; PRIOR FILING DATE: 2000-06-30  
 ; PRIOR APPLICATION NUMBER: US 09/774,203  
 ; PRIOR FILING DATE: 2001-01-29  
 ; NUMBER OF SEQ ID NOS: 49117  
 ; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
 ; SEQ ID NO 12906  
 ; LENGTH: 572  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: MAP TO AC015772.5  
 ; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5  
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.97  
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.8  
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1  
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.93  
 ; US-09-864-761-12906  
  
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 Best Local Similarity 84.3%; Pred. No. 2.6e-29;  
 Matches 140; Conservative 0; Mismatches 26; Indels 0; Gaps  
  
 QY 1 GGAGATGGATAAACCGGTGTGAGTGGCCCTCAAGTTGTGTGGACCATGGAAATGGGAGACTG 60  
 Db 310 GGAGATGAACCTAACCCTGTGGATGGCCCTCAAGATGTGTATGACCATGGAAATGGCAGACTG 369  
  
 QY 61 GAGGGATACATGATGCCCACTACAGCCCGACCTCTCCAGTATGAGCCATGAGCCAGTT 120  
 Db 370 GAGGGACCATGATGCCCACTACACCATGACCGGGTTCCCCCAGTACGAGGATGAGCCAGTT 429  
  
 QY 121 GAATCTCAATGTGAAGATGAATGAAGACCGCAGAGATGCACACTG 166  
 Db 430 GAATCTCAATGCRAAGATGAATGAAGACCGCAGACCATGCACATG 475  
  
 RESULT 5  
 US-09-864-761-5325  
 ; Sequence 5325, Application US/09864761  
 ; Patent No. US20020048763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharron G.  
 ; APPLICANT: Rank, David R.  
 ; APPLICANT: Hanzel, David K.  
 ; APPLICANT: Chen, Wensheng  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES  
 ; FILE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 ; FILE REFERENCE: Aeomica-x-1  
 ; CURRENT APPLICATION NUMBER: US/09/864,761  
 ; CURRENT FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/180,312  
 ; PRIOR FILING DATE: 2000-02-04  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/632,366  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27

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PRIOR FILING DATE:	2001-01-30
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PRIOR FILING DATE:	2001-01-30
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PRIOR FILING DATE:	2001-01-30
PRIOR APPLICATION NUMBER:	PCT/US01/006661
PRIOR FILING DATE:	2001-01-30
PRIOR APPLICATION NUMBER:	PCT/US01/006670

;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 09/608,408  
;; PRIOR FILING DATE: 2000-06-30  
;; PRIOR APPLICATION NUMBER: US 09/774,203  
;; PRIOR FILING DATE: 2001-01-29  
;; NUMBER OF SEQ ID NOS: 49117  
;; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
;; SEQ ID NO 22099  
;; LENGTH: 174  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; OTHER INFORMATION: MAP TO AC005154.1  
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.1  
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.3  
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 6.1  
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 5  
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.3  
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.4  
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.3  
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.6  
;; OTHER INFORMATION: SWISSPROT HIT: P40908, EVALUE 5.10e+00  
;; OTHER INFORMATION: NT HIT: g11545901, EVALUE 2.00e-06  
;; OTHER INFORMATION: EST\_HUMAN HIT: AW964385.1, EVALUE 2.00e-93  
US-09-864-761-22099

Query Match 9.2%; Score 91.6; DB 10; Length 174;  
Best Local Similarity 82.4%; Pred. No. 3e-19;  
Matches 117; Conservative 0; Mismatches 24; Indels 1; Gaps 1;  
QY 19 TGAGTGCCTCAAGTTGTGCGACCATGGAATGGGAGACTGGAGGATACATGATCC 78  
DB 1 TGGATGCCCTCAACAGCTGTACGACCATGGAATGGGAGACTGGAGGACCCATGATCCT 60  
QY 79 AACTACAGGCCAGCTCCTCCAGTATGAGCCATGAGCCAGTTGAATCTGAATGTGAAGAT 138  
DB 61 AAGCA-TGGACTGGTTCCCGAGTACGAGCCATGAGCCAGCTGAATCTGAATGAGAAGAT 119  
QY 139 GGAATGAAGACCGAGAGATC 160  
DB 120 GGAACGAGGACCGACCGAGATC 141

RESULT 8  
US-09-777-564-1267/c  
; Sequence 1267, Application US/09777564  
; Patent No. US20020022591A1  
; GENERAL INFORMATION:  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.493  
; CURRENT APPLICATION NUMBER: US/09/777,564  
; NUMBER OF SEQ ID NOS: 1730  
; SOFTWARE: FastSeq for Window Version 4.0  
; SEQ ID NO 1267  
; LENGTH: 525  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(525)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-777-564-1267

Query Match 7.1%; Score 70.8; DB 10; Length 525;  
Best Local Similarity 73.6%; Pred. No. 2.2e-12;  
Matches 103; Conservative 0; Mismatches 34; Indels 3; Gaps 1;

QY 112 GAGCCAGTTGAATCTGAATGTGAAGATGGAATGAAGACCCGAGAGAGTCACTGACGTC 171  
DB 447 GGCAGGTNTGAGCTGAGTGGGAAGCGGAGAGAGGCGGACACAGTCA---TGACATC 391  
QY 172 AACCTCATACATGCGGTGAGATCAGAGAAACACACACAGAGAGTGGTGTGTA 231  
DB 390 AACCCCATTAACNTGGGACAACTCAAGAAACACACACAGGAGGCTGAGAAACTACTGGA 331  
QY 232 GTGCCAGGTTCAGGCAAAA 251  
DB 330 GCACGAGGACAGTCTGTAA 311  
RESULT 9  
US-09-777-564-734  
; Sequence 734, Application US/09777564  
; Patent No. US20020022591A1  
; GENERAL INFORMATION:  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.493  
; CURRENT APPLICATION NUMBER: US/09/777,564  
; CURRENT FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 1730  
; SOFTWARE: FastSeq for Window Version 4.0  
; SEQ ID NO 734  
; LENGTH: 458  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(458)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-777-564-734

Query Match 7.0%; Score 69.6; DB 10; Length 458;  
Best Local Similarity 75.8%; Pred. No. 4.8e-12;  
Matches 100; Conservative 0; Mismatches 29; Indels 3; Gaps 1;

QY 120 TGAATCTGAATGTGAAGATGGAATGAAGACCGGAGAGTCACTGACGTCAACCTTCA 179  
DB 2 TGAGCTGAGTGGGAAGACGAGAGAGGCGGACACAGTCA--TGACATCAACCCCA 58  
QY 180 TAACATGGGTGATCAGATCAAGAAAAACACACAGAGTGAAGAACTGGTGTAGTGCCAGG 239  
DB 59 TAACCTGGGACAACTCAAGAAAAACACACAGAGGCTGAGAAACTACTGGAGCACCAGG 118  
QY 240 GTCAGGCAAAA 251  
DB 119 GACAGTCTGTAA 130

RESULT 10  
US-09-777-564-1266/c  
; Sequence 1266, Application US/09777564  
; Patent No. US20020022591A1  
; GENERAL INFORMATION:  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER  
; FILE REFERENCE: 210121.493  
; CURRENT APPLICATION NUMBER: US/09/777,564  
; CURRENT FILING DATE: 2001-02-05  
; NUMBER OF SEQ ID NOS: 1730  
; SOFTWARE: FastSeq for Window Version 4.0  
; SEQ ID NO 1266  
; LENGTH: 547  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:







QY 121 GTTCCGTTTCAAAAGAAAAAATAATATTAATAAAAAAGATAAA 164  
|||||  
Db 71375 ACTCCGTTTCAAAACAAAAACAACAAACAACTTGGAAAAA 71418

## RESULT 12

US-09-795-668-1  
; Sequence 1, Application US/09795668  
; Patent No. US20020045577A1  
; GENERAL INFORMATION:  
; APPLICANT: Stefansson, Hreinn  
; APPLICANT: Steinhorsdottir, Valgerdur  
; APPLICANT: Gulcher, Jeffrey R.  
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE  
; FILE REFERENCE: 2345.2004-001  
; CURRENT APPLICATION NUMBER: US/09/795,668  
; CURRENT FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: US 09/515,716  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 1531  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 1503841  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: r=g or a  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: y=t/u or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: m=a or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: k=g or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: s=g or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: w=a or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: b=g or c or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: d=a or g or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: h=a or c or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: v=a or g or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: n=a or g or c or t/u  
; US-09-795-668-1

Query Match 11.1%; Score 111.2; DB 10; Length 1503841;  
Best Local Similarity 79.9%; Pred. No. 4.3e-19;  
Matches 131; Conservative 0; Mismatches 33; Indels 0; Gaps 0;  
QY 1 TGGCAGCGCGCTGTAGTCCAGCTACTCAGGAGACTGAGGAGGAGATCGCTTGAACCC 60  
|||||  
Db 71255 TGGCGTGTGCTGTAGTCCAGCTACTTGGAGGCTGAAGAGGACAGCTCGCTTGACCT 71314  
QY 61 GGGAGACGGAGGTTGCAGTGAGCCAAAGATCGCGTCACTGCCTCCAGCTCGGCGACAGAC 120  
|||||  
Db 71315 GGGAGGCGGAGGTTGCAGTGAGCTGAGATCGCGCCACTGTACTCCAGCTGGTGACTGAG 71374

QY 121 GTTCCGTTTCAAAAGAAAAAATAATATTAATAAAAAAGATAAA 164  
|||||  
Db 71375 ACTCCGTTTCAAAACAAAAACAACAAACAACTTGGAAAAA 71418

## RESULT 13

US-09-795-686-1  
; Sequence 1, Application US/09795686  
; Patent No. US20020094954A1  
; GENERAL INFORMATION:  
; APPLICANT: Stefansson, Hreinn  
; APPLICANT: Steinhorsdottir, Valgerdur  
; APPLICANT: Gulcher, Jeffrey R.  
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE  
; FILE REFERENCE: 2345.2005-001  
; CURRENT APPLICATION NUMBER: US/09/795,686  
; CURRENT FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: US 09/515,715  
; PRIOR FILING DATE: 2000-02-28  
; NUMBER OF SEQ ID NOS: 1531  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 1503841  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: r=g or a  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: y=t/u or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: m=a or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: k=g or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: s=g or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: w=a or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: b=g or c or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: d=a or g or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: h=a or c or t/u  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: v=a or g or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1531)  
; OTHER INFORMATION: n=a or g or c or t/u  
; US-09-795-686-1

Query Match 11.1%; Score 111.2; DB 10; Length 1503841;  
Best Local Similarity 79.9%; Pred. No. 4.3e-19;  
Matches 131; Conservative 0; Mismatches 33; Indels 0; Gaps 0;  
QY 1 TGGCAGCGCGCTGTAGTCCAGCTACTCAGGAGACTGAGGAGGAGATCGCTTGAACCC 60  
|||||  
Db 71255 TGGCGTGTGCTGTAGTCCAGCTACTTGGAGGCTGAAGAGGACAGCTCGCTTGACCT 71314  
QY 61 GGGAGACGGAGGTTGCAGTGAGCCAAAGATCGCGTCACTGCCTCCAGCTCGGCGACAGAC 120  
|||||  
Db 71315 GGGAGGCGGAGGTTGCAGTGAGCTGAGATCGCGCCACTGTACTCCAGCTGGTGACTGAG 71374

